

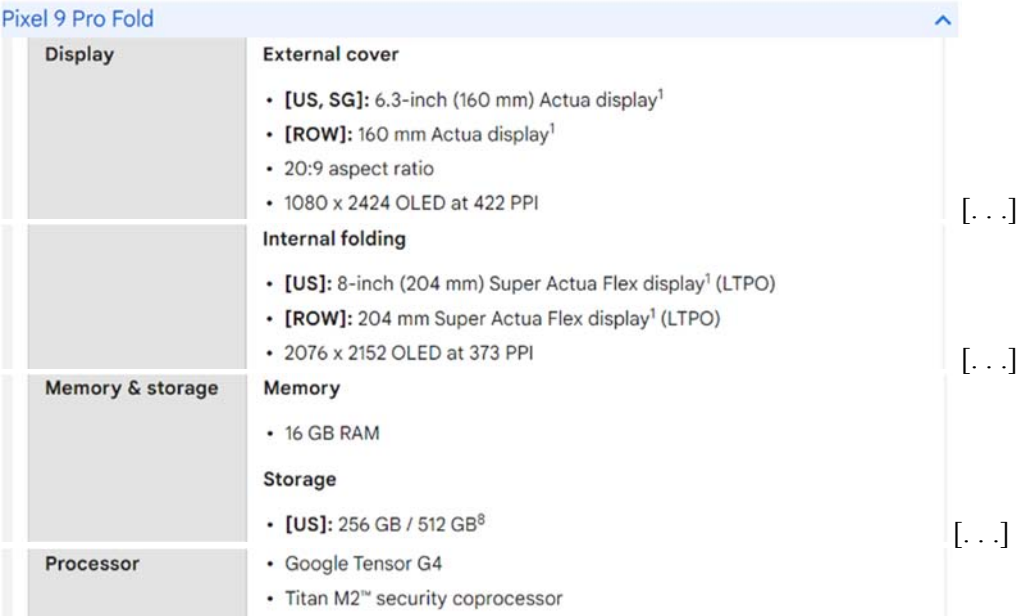
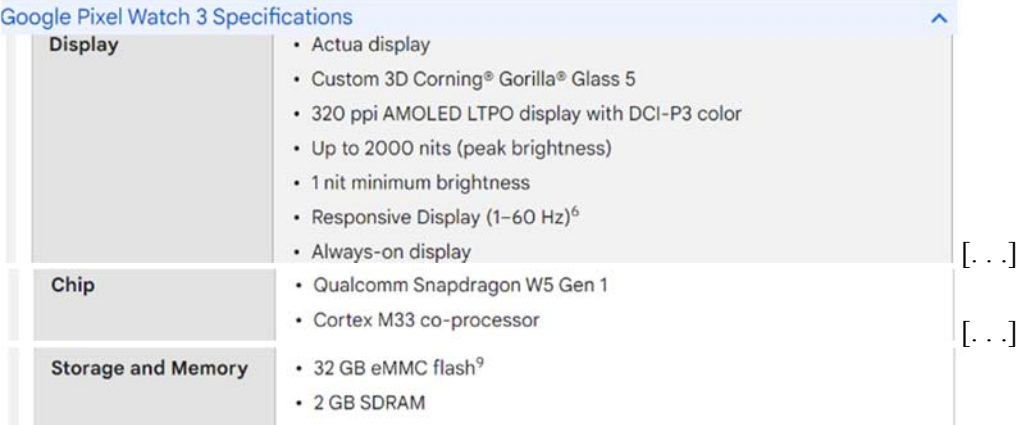



Exhibit F

Exhibit F - U.S. Patent No. 10,810,579

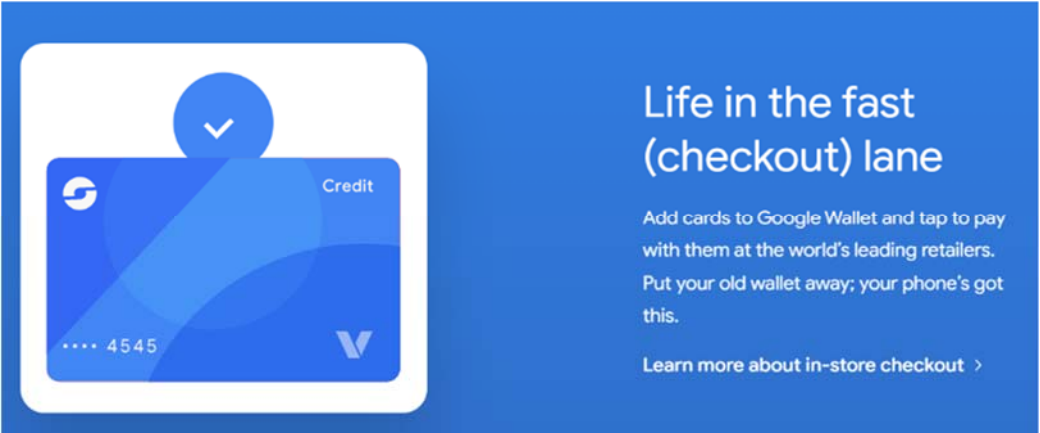
Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
<p>19[Pre]: An electronic device comprising</p>	<p>A Google Pay- and/or Google Wallet-enabled computing device is an electronic device comprising the following limitations.</p> <div data-bbox="485 331 1398 737">  <div data-bbox="915 331 1398 737"> <h3>Takeaways</h3> <ul style="list-style-type: none"> Pixel is powered by all the smarts of Google, including the Tensor chip Ask Google Assistant to make a call from your Pixel Buds, so you can keep your hands free¹ Google apps come loaded on every Pixel, including Google Maps to help you get to your destination,² and Google Wallet to give you an easy way to pay when you arrive³ </div> </div> <p>Get help paying the tab [. . .]</p> <p>Knox picked up the bill and paid with Google Wallet, which lets you store your credit and debit cards and pay quickly from your Pixel phone or Pixel Watch.³</p> <p>See, e.g., <i>An even better way to use your favorite Google apps.</i>, Google, https://store.google.com/intl/en/ideas/articles/google-software-features/; <i>Install and update apps on Google Pixel Watch</i>, Google, https://support.google.com/googlepixelwatch/answer/13044412 (“Google Pixel Watch 2 is preloaded with more apps like Calendar, Fitbit, Google Wallet, Google Maps, YouTube Music and more.”).</p> <div data-bbox="485 1057 1440 1455">  <div data-bbox="888 1057 1440 1455"> <h3>Life in the fast (checkout) lane</h3> <p>Add cards to Google Wallet and tap to pay with them at the world's leading retailers. Put your old wallet away; your phone's got this.</p> <p>Learn more about in-store checkout ></p> </div> </div> <p>See, e.g., <i>Google Pay – Pay the Google way</i>, Google, https://pay.google.com/about/; <i>Google Pay – Pay In Store</i>, Google, https://pay.google.com/about/pay-in-store/; <i>Google Wallet</i>, Google, https://wallet.google/.</p>

Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
<p>19[a]: at least one processor;</p> <p>19[b]: a memory coupled to the at least one processor;</p> <p>19[c]: a display operable to present a visual user-interface comprising device inputs; display output;</p>	<p>A Google Pay- and/or Google Wallet-enabled computing device includes at least one processor, a memory coupled to the at least one processor, and a display operable to present a visual user-interface comprising device inputs; display output.</p> <p>Pixel 9 Pro Fold (2024)</p>  <p>The screenshot shows the specifications for the Pixel 9 Pro Fold (2024). It is divided into four main sections: Display, External cover, Internal folding, and Memory & storage. The Display section lists the external and internal displays. The External cover section lists the display size, resolution, aspect ratio, and pixel density. The Internal folding section lists the internal display size, resolution, and pixel density. The Memory & storage section lists the RAM and storage options. The Processor section lists the Google Tensor G4 and Titan M2 security coprocessor.</p> <p>See, e.g., <i>Pixel phone hardware tech specs</i>, Pixel Phone Help, https://support.google.com/pixelphone/answer/7158570.</p> <p>Google Pixel Watch 3 Specifications</p>  <p>The screenshot shows the specifications for the Google Pixel Watch 3. It is divided into three main sections: Display, Chip, and Storage and Memory. The Display section lists the display type, material, resolution, brightness, refresh rate, and always-on display. The Chip section lists the Qualcomm Snapdragon W5 Gen 1 and Cortex M33 co-processor. The Storage and Memory section lists the eMMC flash and SDRAM.</p> <p>See, e.g., <i>Google Pixel Watch Technical & Device Specifications</i>, Google Pixel Watch Help, https://support.google.com/googlepixelwatch/answer/12651869.</p>


Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device								
19[d]: a device input;	<p data-bbox="485 201 1520 233">A Google Pay- and/or Google Wallet-enabled computing device includes a device input.</p> <p data-bbox="485 266 810 298">Pixel 9 Pro Fold (2024)</p> <div data-bbox="485 303 1495 786"> <p data-bbox="485 315 1495 347">Pixel 9 Pro Fold ^ [. . .]</p> <table border="1"> <tr> <td data-bbox="520 352 730 449">Authentication</td><td data-bbox="751 352 1417 449"> <ul style="list-style-type: none"> • Fingerprint Unlock • Face Unlock • Pattern, PIN, password </td></tr> <tr> <td data-bbox="520 454 730 693">Sensors</td><td data-bbox="751 454 1417 693"> <ul style="list-style-type: none"> • Proximity sensor • Ambient light sensor • Accelerometer • Gyrometer • Magnetometer • Barometer • Hall effect </td></tr> <tr> <td data-bbox="520 698 730 781">Buttons & ports</td><td data-bbox="751 698 1417 781"> <ul style="list-style-type: none"> • USB Type-C® 3.2 • Power button • Volume controls </td></tr> </table> </div> <p data-bbox="485 790 2003 920">See, e.g., <i>Pixel phone hardware tech specs</i>, Pixel Phone Help, https://support.google.com/pixelphone/answer/7158570; <i>Fix a Pixel screen that doesn't work right</i>, Pixel Phone Help, https://support.google.com/pixelphone/answer/6010316; <i>Tap to pay with your phone</i>, Google Wallet Help, https://support.google.com/wallet/answer/12060043; Shikar Mehrotra, <i>Pixel 7 Always-on Display: How To Turn It On (Or Off)</i>, ScreenRant (Jun. 27, 2023), https://screenrant.com/pixel-7-always-on-display-how/.</p> <div data-bbox="485 953 1495 1430"> <p data-bbox="485 964 1495 997">Google Pixel Watch 3 Specifications ^ [. . .]</p> <table border="1"> <tr> <td data-bbox="520 1002 758 1425">Sensors</td><td data-bbox="772 1002 1417 1425"> <ul style="list-style-type: none"> • Compass • Altimeter • Red and infrared sensors for oxygen saturation (SpO2) monitoring¹⁰ • Multipurpose electrical sensors compatible with ECG app¹¹ • Multi-path optical heart rate sensor¹² • 3-axis accelerometer • Gyroscope • Ambient light sensor • Electrical sensor to measure skin conductance (cEDA) for body response tracking¹³ • Skin temperature sensor¹⁴ • Barometer • Magnetometer </td></tr> </table> </div>	Authentication	<ul style="list-style-type: none"> • Fingerprint Unlock • Face Unlock • Pattern, PIN, password 	Sensors	<ul style="list-style-type: none"> • Proximity sensor • Ambient light sensor • Accelerometer • Gyrometer • Magnetometer • Barometer • Hall effect 	Buttons & ports	<ul style="list-style-type: none"> • USB Type-C® 3.2 • Power button • Volume controls 	Sensors	<ul style="list-style-type: none"> • Compass • Altimeter • Red and infrared sensors for oxygen saturation (SpO2) monitoring¹⁰ • Multipurpose electrical sensors compatible with ECG app¹¹ • Multi-path optical heart rate sensor¹² • 3-axis accelerometer • Gyroscope • Ambient light sensor • Electrical sensor to measure skin conductance (cEDA) for body response tracking¹³ • Skin temperature sensor¹⁴ • Barometer • Magnetometer
Authentication	<ul style="list-style-type: none"> • Fingerprint Unlock • Face Unlock • Pattern, PIN, password 								
Sensors	<ul style="list-style-type: none"> • Proximity sensor • Ambient light sensor • Accelerometer • Gyrometer • Magnetometer • Barometer • Hall effect 								
Buttons & ports	<ul style="list-style-type: none"> • USB Type-C® 3.2 • Power button • Volume controls 								
Sensors	<ul style="list-style-type: none"> • Compass • Altimeter • Red and infrared sensors for oxygen saturation (SpO2) monitoring¹⁰ • Multipurpose electrical sensors compatible with ECG app¹¹ • Multi-path optical heart rate sensor¹² • 3-axis accelerometer • Gyroscope • Ambient light sensor • Electrical sensor to measure skin conductance (cEDA) for body response tracking¹³ • Skin temperature sensor¹⁴ • Barometer • Magnetometer 								






Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
	 <ul style="list-style-type: none"> • Side button • Haptic crown • Premium haptics <p>See, e.g., <i>Google Pixel Watch Technical & Device Specifications</i>, Google Pixel Watch Help, https://support.google.com/googlepixelwatch/answer/12651869; <i>Fix a blank, unresponsive, or error message on the Google Pixel Watch screen</i>, Google Pixel Watch Help, https://support.google.com/googlepixelwatch/answer/13575675; Made by Google, <i>How to Use Google Wallet on Your Google Pixel Watch</i>, YouTube (Apr. 11, 2023), https://www.youtube.com/watch?v=Sa6ULG8MNUA; <i>Lock your watch screen</i>, Wear OS by Google Help, https://support.google.com/wearos/answer/9248353; Jon Gilbert and Anu Joy, <i>7 Google Pixel Watch tip and tricks you'll want to try</i>, Android Police (Oct. 7, 2023), https://www.androidpolice.com/google-pixel-watch-tips-tricks/.</p>
19[e]: an NFC interface operable to receive a transaction request when in proximity to an NFC recipient;	<p>A Google Pay- and/or Google Wallet-enabled computing device includes an NFC interface operable to receive a transaction request when in proximity to an NFC recipient.</p> <p>Make payments using NFC</p> <p>Important: Make sure that NFC option is turned on your phone.</p> <p>To make a payment through NFC:</p> <ol style="list-style-type: none"> 1. Unlock your phone. 2. Tap your phone on the payment terminal. 3. Google Pay app will open automatically. 4. To confirm the amount to be paid, tap Proceed. <p>You'll be notified once your payment is successful.</p> <p>See, e.g., <i>Get started with NFC</i>, Google Pay Help, https://support.google.com/pay/india/answer/10123985.</p>

$$\begin{bmatrix} \cdot & \cdot & \cdot \end{bmatrix}$$



Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
<p>19[f]: wherein the processor is operable to execute a program to implement a method comprising:</p> <p>19[g]: accepting a priming action of the electronic device by an identified device user, from the device input;</p> <p>19[h]: enabling the electronic device for imminent performance of a payment operation responsive to the priming action of a valid user;</p>	<p>The processor of a Google Pay- and/or Google Wallet-enabled computing device is operable to execute a program to implement a method comprising accepting a priming action of the electronic device by an identified device user, from the device input and enabling the electronic device for imminent performance of a payment operation responsive to the priming action of a valid user</p> <div data-bbox="485 331 1518 760">  </div> <p>See, e.g., <i>Google Pay – Pay the Google way</i>, Google, https://pay.google.com/about/; <i>Google Pay – Pay In Store</i>, Google, https://pay.google.com/about/pay-in-store/; <i>Install and update apps on Google Pixel Watch</i>, Google, https://support.google.com/googlepixelwatch/answer/13044412 (“Google Pixel Watch 2 is preloaded with more apps like Calendar, Fitbit, Google Wallet, Google Maps, YouTube Music and more.”).</p> <p>Pay in a store</p> <p>Step 1: Wake up & unlock your phone</p> <p>Important: For users with a Pixel 7 or Pixel 7 Pro, Face Unlock is currently not supported for tap to pay transactions.</p> <p>Turn on your screen, then unlock your phone. You don’t need to open the Google Wallet app.</p> <p>Tip: In most countries or regions, smaller transactions don't require you to unlock your phone.</p>

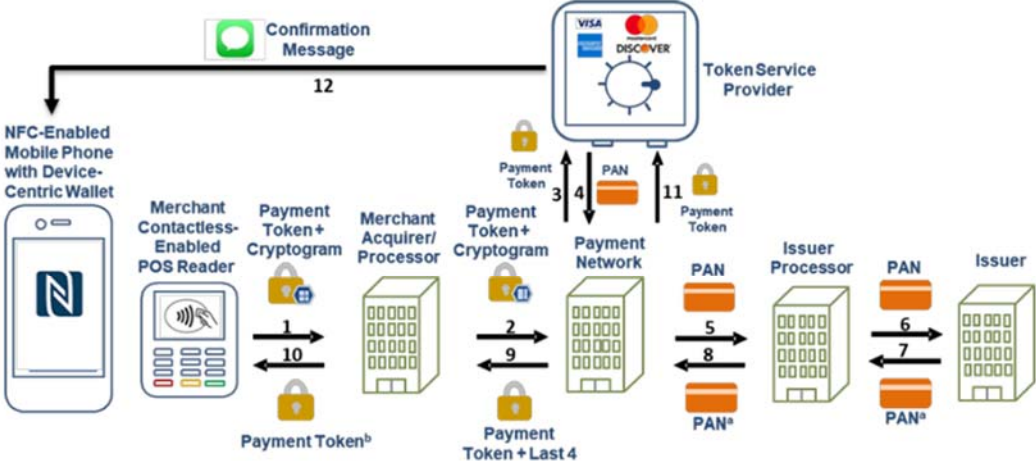
Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
	<div data-bbox="489 204 1661 732">  <p>How to tap to pay How to tap to pay How to tap to pay</p> </div> <p data-bbox="489 732 1976 829">See, e.g., <i>Tap to pay with your phone</i>, Google Wallet Help, https://support.google.com/wallet/answer/12060043; Shikar Mehrotra, <i>Pixel 7 Always-on Display: How To Turn It On (Or Off)</i>, ScreenRant (Jun. 27, 2023), https://screenrant.com/pixel-7-always-on-display-how/.</p> <div data-bbox="489 870 1976 1286">  <p>Also, make sure to set up a screen lock, pin or pattern to keep your watch secure.</p> </div>



Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
	 <p>See, e.g., Made by Google, <i>How to Use Google Wallet on Your Google Pixel Watch</i>, YouTube (Apr. 11, 2023), https://www.youtube.com/watch?v=Sa6ULG8MNUA; Jon Gilbert and Anu Joy, <i>7 Google Pixel Watch tip and tricks you'll want to try</i>, Android Police (Oct. 7, 2023), https://www.androidpolice.com/google-pixel-watch-tips-tricks/.</p> <h2>Verify it's you to make a purchase</h2> <p>To make payments with Google Wallet, you must have a screen lock set up on your device and verify it's you for your security.</p> <p>You can verify it's you in Google Wallet with several methods:</p> <ul style="list-style-type: none"> • PIN • Pattern • Password • Class 3 biometric unlock <p>Tip: Google Wallet doesn't work with Class 1 or Class 2 biometric unlocks or screen locks like Smart Unlock or Knock to Unlock.</p> <p>See, e.g., <i>Verify it's you to make a purchase</i>, Google Wallet Help, https://support.google.com/wallet/answer/12059519; <i>Set up screen lock for tap to pay transactions</i>, Google Wallet Help Center (captured Dec. 15, 2023), https://web.archive.org/web/20231215153739/https://support.google.com/wallet/answer/12059519#zippy=%2Cpayment-limits-on-a-locked-device (noting for the United States that “Unlock is required for all transactions except for transit”); <i>Set screen lock on your Pixel phone</i>, Pixel Phone Help, https://support.google.com/pixelphone/answer/2819522.</p>

Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
<p>19[i]: displaying a summary of selectable payment account options on the display;</p> <p>19[j]: receiving a payment selection and approval authorization from a valid device user via the device input; and</p>	<p>A Google Pay- and/or Google Wallet-enabled computing device displays a summary of selectable payment account options on the display and receive a payment selection and approval authorization from a valid device user via the device input.</p> <p>Find your default payment method</p> <ol style="list-style-type: none"> 1. Open the Google Wallet app . 2. At the top, on your payment methods, swipe from the right edge of the screen to left until you get to the last one. 3. Tap Edit card order . 4. Your default method has a contactless symbol . <p>Tip: Cards that can be used for tap and pay, but aren't your default, have a different contactless symbol .</p> <p>Pay with a different card</p> <p>You can tap and pay with other cards that aren't your default card.</p> <ol style="list-style-type: none"> 1. Open the Google Wallet app . 2. At the top, on your card, swipe from the right edge of the screen to left until you find the card that you want to use. 3. Hold the back of your phone against the payment terminal. 4. If prompted, choose "Credit," no matter your type of card. <p><i>See, e.g., Change your default payment method in the Google Wallet app, Google Wallet Help, https://support.google.com/wallet/answer/12059255.</i></p> <p>How to use Google Wallet on Pixel Watch</p> <p>With Screen Lock and Google Wallet set up on Pixel Watch, now it's just a matter of putting the tap-to-pay functionality to use.</p> <ol style="list-style-type: none"> 1. Double-press the crown. 2. Your default card will appear on the screen. 3. If you want to pay with a different card, swipe until you find the card you want to use. 4. Hold your Pixel Watch near the payment terminal. 5. Once the payment has been completed successfully, you will hear a chime and a checkmark appears on your watch. <p><i>See, e.g., How to use Google Wallet on the Pixel Watch, AndroidCentral (Oct. 19, 2022), https://www.androidcentral.com/wearables/how-to-use-google-wallet-pixel-watch.</i></p>

Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
	<p>Verify it's you to make a purchase</p> <p>To make payments with Google Wallet, you must have a screen lock set up on your device and verify it's you for your security.</p> <p>You can verify it's you in Google Wallet with several methods:</p> <ul style="list-style-type: none"> • PIN • Pattern • Password • Class 3 biometric unlock <p>Tip: Google Wallet doesn't work with Class 1 or Class 2 biometric unlocks or screen locks like Smart Unlock or Knock to Unlock.</p> <p><i>See, e.g., Verify it's you to make a purchase</i>, Google Wallet Help, https://support.google.com/wallet/answer/12059519; <i>Set up screen lock for tap to pay transactions</i>, Google Wallet Help Center (captured Dec. 15, 2023), https://web.archive.org/web/20231215153739/https://support.google.com/wallet/answer/12059519#zippy=%2Cpayment-limits-on-a-locked-device (noting for the United States that “Unlock is required for all transactions except for transit”); <i>Set screen lock on your Pixel phone</i>, Pixel Phone Help, https://support.google.com/pixelphone/answer/2819522.</p>
<p>19[k]: responsive to receiving an NFC transaction payment request, generating a limited-use payment information for use in place of card issuer payment information,</p>	<p>A Google Pay- and/or Google Wallet-enabled computing device, responsive to receiving an NFC transaction payment request, generates a limited-use payment information for use in place of card issuer payment information.</p> <p>Google Pay was designed to provide the flexibility required for an open platform and protection for all users: the cardholder, merchant, network, the merchant's acquiring bank, and the card issuing bank.</p> <p>Highlights of Google Pay's security features include:</p> <ul style="list-style-type: none"> • Network tokenization standards: When a cardholder makes a purchase using a device token, Google Pay sends the token's DPAN rather than the FPAN of the card. This “tokenization” provides your cardholders with an extra layer of security. • Secure in-memory storage of limited-use keys (LUKs): Your cardholder's mobile device stores the primary key that generates transaction cryptograms for contactless transactions. No other primary key data is stored on the device. <p><i>See, e.g., Google Pay – Device Tokenization – Security</i>, Google (Sept. 12, 2024), https://developers.google.com/pay/issuers/overview/security; <i>Google Pay – Device Tokenization – TSP Integration</i>, Google (Feb. 1, 2024), https://developers.google.com/pay/issuers/tsp-integration/overview.</p>

Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
	<p>At a high level, the Google Pay security approach: [. . .]</p> <ul style="list-style-type: none"> Adheres to standards for payment network tokenization, the creation and use of a cryptogram to represent payment credentials. Unlocks these cryptograms with limited-use keys (LUKs) or single use keys (SUKs), which are stored in-memory on the device. <p>See, e.g., Google, <i>Google Pay Security Paper</i> (Ver. 2.4, Jan. 2022) available at https://developers.google.com/wallet/access/campus-id/resources/Google_Pay_Security_Paper_2.4.pdf.</p>
<p>19[1]: wherein the NFC interface is operable to transmit said payment information from said electronic device to the NFC recipient of the transaction; and</p>	<p>The NFC interface of a Google Pay- and/or Google Wallet-enabled computing device is operable to transmit said payment information from said electronic device to the NFC recipient of the transaction.</p> <p>Check your tap to pay set up</p> <ol style="list-style-type: none"> Open the Google Wallet app . At the top right, tap your Profile picture or Account  > Payment setup. Check if you're ready to make contactless payments. To tap to pay with Google Wallet: <ul style="list-style-type: none"> Near field communication (NFC) must be turned on. <p>See, e.g., <i>Tap to pay with your phone</i>, Google Wallet Help, https://support.google.com/wallet/answer/12060043.</p> <p>To use Google Wallet on your watch, you must:</p> <ul style="list-style-type: none"> Have a watch that runs Wear OS version 2.0 and up. Check your watch version. Have a watch with near field communication (NFC). <p>See, e.g., <i>Tap to pay with your smartwatch</i>, Google Wallet Help, https://support.google.com/wallet/answer/12059876; Made by Google, <i>How to Use Google Wallet on Your Google Pixel Watch</i>, YouTube (Apr. 11, 2023), https://www.youtube.com/watch?v=Sa6ULG8MNUA.</p> <p>Google Pay was designed to provide the flexibility required for an open platform and protection for all users: the cardholder, merchant, network, the merchant's acquiring bank, and the card issuing bank.</p> <p>Highlights of Google Pay's security features include:</p> <ul style="list-style-type: none"> Network tokenization standards: When a cardholder makes a purchase using a device token, Google Pay sends the token's DPAN rather than the FPAN of the card. This "tokenization" provides your cardholders with an extra layer of security. Secure in-memory storage of limited-use keys (LUKs): Your cardholder's mobile device stores the primary key that generates transaction cryptograms for contactless transactions. No other primary key data is stored on the device. <p>See, e.g., <i>Google Pay – Device Tokenization – Security</i>, Google (Sept. 12, 2024), https://developers.google.com/pay/issuers/overview/security; <i>Google Pay – Device Tokenization – TSP Integration</i>, Google (Feb. 1, 2024), https://developers.google.com/pay/issuers/tsp-integration/overview; Google, <i>Google Pay Security Paper</i> (Ver. 2.4, Jan. 2022) available at https://developers.google.com/wallet/access/campus-id/resources/Google_Pay_Security_Paper_2.4.pdf.</p>

Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
	 <p data-bbox="541 711 1327 750"> ^a In some implementations, the last four digits, instead of the PAN, are passed back in the authorization response ^b Last 4 digits of the PAN may not always be returned to the merchant. </p> <p data-bbox="508 776 1516 799">Figure 6. Processing a Contactless EMV Transaction Using an NFC-Enabled Device-Centric Digital Wallet</p> <p data-bbox="487 808 1990 971">See, e.g., US Payments Forum, <i>EMV Payment Tokenization Primer and Lessons Learned</i> at 24 (June 2019), available at https://www.uspaymentsforum.org/wp-content/uploads/2019/06/EMV-Payment-Tokenization-Primer-Lessons-Learned-FINAL-June-2019.pdf; <i>Mobile payments with digital wallets and tokenization: How Google Pay, Apple Pay and Samsung Pay protect your card details</i>, Advantio (Feb. 22, 2021), https://www.advantio.com/blog/mobile-payments-with-digital-wallets-and-tokenization-how-google-pay-apple-pay-and-samsung-pay-protect-your-card-details.</p>

Claim No.	Google Pay- and/or Google Wallet-Enabled Computing Device
<p>19[m]: wherein further the processor is operable to cause the display to visually convey a status of the transaction.</p>	<p>The processor of a Google Pay- and/or Google Wallet-enabled computing device is operable to cause the display to visually convey a status of the transaction.</p>  <p>NFC Tap (success)</p> <p>See, e.g., <i>Google Pay – Device Tokenization – TSP Integration – Google Pay Flows</i>, Google (May 2, 2024), https://developers.google.com/pay/issuers/tsp-integration/gpay-flows.</p>  <p>See, e.g., Made by Google, <i>How to Use Google Wallet on Your Google Pixel Watch</i>, YouTube (Apr. 11, 2023), https://www.youtube.com/watch?v=Sa6ULG8MNUA; <i>Tap to pay with your smartwatch</i>, Google Wallet Help, https://support.google.com/wallet/answer/12059876.</p>